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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com offserv@bipc.com

Application No. Applicant(s) 10/768 169 TREQUATTRINI ET AL. Office Action Summary Examiner Art Unit Peter Luona 3737 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 12 February 2010. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.2.5-8.10-22.24-30 and 32-151 is/are pending in the application. 4a) Of the above claim(s) 55-60.83-88 and 119-138 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1,2,5-8,10-22,24-30,32-54,61-82,89-118 and 139-151 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Papri No(s)/Wall Date.___ 2) Notice of Draftsperson's Patent Drawing Review (PTO-945)

Paper No(s)/Mail Date

3) Information Disclosure Statement(s) (PTO/SB/08)

5) Notice of Informal Patent Application

6) Other:

Application/Control Number: 10/768,169 Page 2

Art Unit: 3737

DETAILED ACTION

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- Claims 42-43, 67, 73-74, 76-77, 89, 94, 101, and 103 are rejected under 35
 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- In claims 42-43, 67, 73-74, 76-77, 89, 94, 101, and 103 the recitation of "and/or" renders the scope of the claim unclear.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1-2, 5-8, 10-14, 17-19, 21, 33-37, 41-43, 61-66, 75-76, 78 are rejected under 35 U.S.C. 103(a) as being unpatentable over Damadian et al. (US 6,414,490) in view of Eckels et al. (US 6,011,396).
- 6. The patent of Damadian et al. discloses a magnetic resonance imaging apparatus comprising a magnetic structure (9) having two opposite and spaced apart poles (12) and a column or wall transverse to the poles and connecting the poles (10); the poles define two opposite walls delimiting a patient-imaging space, the two opposite walls extending along substantially parallel planes which are substantially parallel to a

Art Unit: 3737

vertical plane (Fig. 2); and a patient positioning table which is slidably connected to a supporting frame between the two poles (Fig. 4); the table being positioned with its longitudinal axis substantially parallel to the two opposite parallel walls of the poles and the table being oriented with its transverse axis substantially perpendicular to at least one of the two opposite walls (Fig. 3); the table being slidable with respect to the magnet in a direction parallel to a longitudinal axis of the table (Figs. 3 and 11); manual or automatic means being provided for displacing the table relative to the magnetic structure along the longitudinal axis (34); a lock for locking the table in a selected position relative to the magnetic structure (40); and manual or automatic means being provided for rotating the frame about the axis (40). Damadian et al. does not teach wherein the poles or the entire magnetic structure being rotatable together from a horizontal table position to a vertical table position. However, Eckels et al. teaches in an adjustable MRI imaging system wherein the magnet assembly can be rotated around the patient (Fig. 4). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the magnet to be rotatable around the patient as taught by Eckels et al. to allow for adjustable positioning of the magnet.

7. With respect to claims 5-6, 33, Damadian et al. discloses the subject matter substantially as claimed except for the table supporting frame is supported by the magnetic structure. However, an integration of parts is well within the skill level of one of ordinary skill in the art (In re Larson, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965)). It is well known in magnetic resonance imaging for the table supporting frame

Application/Control Number: 10/768,169 Page 4

Art Unit: 3737

and the magnetic structure to be connected. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the table supporting frame and the magnetic structure.

- With respect to claim 7, it would have been an obvious modification to substantially align the rotational axis of the table and magnet.
- 9. With respect to claim 9, Damadian et al. discloses the subject matter substantially as claimed except for a drive being provided for rotating the table. However, automating a mechanical process is well within the skill level of one of ordinary skill in the art. Eckels et al. teaches a drive for rotating the magnets. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a drive for rotating the table as automating a mechanical process is well within the skill level of one of ordinary skill in the art (In re Venner, 262 F.2d 91, 95, 120 USPQ 193, 194 (CCPA 1958)).
- Claims 15-16 and 38-40, 67-72, 77 are rejected under 35 U.S.C. 103(a) as being unpatentable over Damadian et al. (US 6,414,490) in view of Eckels et al. (US 6,011,396).as applied to claim 1 above, and further in view of Damadian et al. (US 6,023,165).
- 11. With respect to claims 10-11, Damadian et al. discloses the subject matter substantially as claimed except for rotating the table along its longitudinal axis.
 However, Damadian et al. ('165) teaches in an MRI apparatus which rotates the table horizontally and vertically and which rotates the table along its longitudinal axis (Fig. 16). Therefore, it would have been obvious to one of ordinary skill in the art at the time

Art Unit: 3737

the invention was made to have provided Damadian et al. ('490) with the table rotatable along its longitudinal axis as taught by Damadian et al. ('165) in order to obtain images of the patient at different positions. Damadian et al. discloses the subject matter substantially as claimed except for a U-shaped frame. However, a change in shape is well within the skill level of one of ordinary skill in the art (In re Dailey, 357 F.2d 669, 149 USPQ 47 (CCPA 1966)). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the shape of the frame as a matter of design choice.

- 12. Claims 15-16 and 38-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Damadian et al. (US 6,414,490) in view of Eckels et al. (US 6,011,396).as applied to claim 14 above, and further in view of Damadian et al. (US 6.934.574).
- 13. Damadian et al. discloses the subject matter substantially as claimed except for the angular positions of the table. However, Damadian et al. ('574) teaches a MRI scanner comprising a patient support (Fig. 3) capable of being adjusted to a number of angles and positions. Therefore, it would have been obvious to one of ordinary skill in the art to have modified the patient support structure of Damadian ('490) with the adjustable positions of Damadian ('574) in order to obtain images of the patient in multiple positions.
- 14. Claims 20, 22, 24-30, 32, 44-54, 73-76, 78-82 are rejected under 35U.S.C. 103(a) as being unpatentable over Damadian et al. (US 6,414,490) in view of

Art Unit: 3737

Eckels et al. (US 6,011,396).as applied to claims 1 or 14 above, and further in view of Carter et al. (US 6,860,272).

Page 6

- 15. Damadian et al. discloses the subject matter substantially as claimed except for a guiding means to slide the footrest or seat. However, Carter et al. teaches a means for sliding the footrest in an MRI apparatus (Fig. 3). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the means for sliding the footrest as taught by Carter et al. in order to adjust the location of the footrest. With respect to the seat, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the same means to allow adjustment of the seat.
- 16. Damadian et al. discloses the subject matter substantially as claimed except for a means for retaining the patient. However, Carter et al. teaches in an MRI apparatus means for retaining a patient including removable fastening belts (Fig. 3). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the apparatus of Damadian with the patient retention means as taught by Carter et al. in order to keep the patient in place. With respect to the armpit support, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided an armpit support as an addition means of support for the arms as Damadian et al. teaches an arm support (48).
- 17. With respect to claims 32 and 54, Damadian et al. teaches the subject matter substantially as claimed except for a locking means for the patient retaining means, the footrest, and the seat. However, it would have been obvious to one of ordinary skill in

Art Unit: 3737

the art at the time the invention was made to have provided those parts with a locking mechanism in order to keep the positions of those parts in place to avoid patient movement during examination.

- 18. Claims 1-2, 5-8, 10-22, 24-30, 32-54, 61-82 and 89-118, and 139-151 are rejected under 35 U.S.C. 103(a) as being unpatentable over Damadian et al. (US 6,023,165, US 6,414,490, and US 6,934,574), Eckels et al. (US 6,011,396), and Carter et al. (US 6.860.272).
- 19. The combination of Damadian et al. ('165, '490, '574), Eckels et al., and Carter et al. discloses the subject matter of the system capable of performing the various positions of the patient and locking of the patient supports (see combinations above). Therefore, the subject mater of which inherently discloses the method steps substantially as claimed.

Response to Arguments

Applicant's arguments filed 2/12/2010 have been fully considered but they are not persuasive.

Applicant argues that Damadian et al. does not teach the patient positioning table is not slidably connected to a supporting frame between the two poles, but rather, it is slidably connected to a supporting frame which is insertable between the two poles. However, the Examiner respectfully disagrees with the applicant. As the supporting frame is insertable between the two poles, the supporting frame is still capable of being located between the two poles as recited in the claims.

Art Unit: 3737

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., the magnetic structure and the yoke are rotatable about an axis passing through the center of the magnets together with the frame) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Applicant argues that Damadian et al. '165 does not teach a U-shape of the table supporting frame. However, the Examiner respectfully disagrees with the applicant.

Damadian teaches the patient table rotatable along the longitudinal axis of the table and a U-shaped support frame (Fig. 16). As such, Damadian teaches functional equivalent of rotation along the longitudinal axis and the Examiner's position is that the shape and orientation of the table support frame is a matter of design choice when the table provides equivalent functional movements.

Applicant argues that Damadian et al. '574 does not teach the plurality of positions. However, the Examiner respectfully disagrees with the applicant. Damadian et al. discloses a variety of angles such that a patient may be positioned in a stand-up or a lie-down position, or any angle in between (col.5, lines 25-27).

Applicant argues that Carter et al. does not teach a slidable foot plate along the table. However, the Examiner respectfully disagrees with the applicant. Carter et al. discloses a slidable foot plate (Fig. 3 and 4).

Art Unit: 3737

Applicant argues that Carter et al. does not teach patient retaining means include removable fastening belts and are adjustable. However, the Examiner respectfully disagrees with the applicant. Carter et al. teaches removable fastening belts that are adjustable (col. 6, line 52 to col. 7, line 21).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Luong whose telephone number is (571)270-1609. The examiner can normally be reached on Monday - Friday, 9:30 a.m. - 6:00 p.m., EST.

Art Unit: 3737

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on (571) 272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRIAN CASLER/ Supervisory Patent Examiner, Art Unit 3737

/P. L./ Examiner, Art Unit 3737